

Since **1997**



Envirotech Systems Pvt. Ltd.

(AN ISO 9001 : 2008 CERTIFIED ORGANISATION)



NOISE BARRIER

As a leading manufacturer of Noise Control products Envirotech Systems Pvt. Ltd. Offers Acoustic/Noise control Solutions for all kind of noise sources. With over 2000 acoustical projects in Road/Railways, Oil & Gas, Manufacturing, Power Generation, Cement & Steel Plants, Automobile Sector, Construction and many more, ESPL continuously growing in Domestic & Overseas market.

Envirotech Systems Pvt Ltd

Company Profile

Envirotech Systems Pvt. Ltd. is a premier acoustic engineering organization that specializes in noise measurement & control for, industrial and commercial applications. Experience and success has allowed Envirotech Systems to grow and expand our core capabilities to include full scale design and manufacture of innovative acoustical products and components. Founded in 1997, now transforming into a growing organization that readily responds to client needs. We have the experience, tools and innovative ideas to provide cost-effective solutions to all types of acoustical problems. Employing over 150 people, It also has a large network of technical sales engineers, agents and distributors, offering advice and assistance to customers .Today We manufacture and distribute a broad range of high performing products and structures required to solve the most common to the most unusual, complex and interesting noise control applications that occur in the industrial, commercial, architectural and environmental markets we serve.

As a leading brand in full service turn-key industrial noise control, we pride ourselves on delivering a complete solution. We research potential issues, undertake a cost benefit analysis and perform the necessary engineering services. Once all of the preliminary work is complete we then provide a firm price and fixed schedule proposal to ensure you get the most cost-effective noise abatement solution possible.

Envirotech Systems Pvt Ltd

Location

Corporate Office:

B-1A/19, 1st Floor, Commercial Complex, Sector-51, Noida - 201307 (U.P.)

Telephone (s): 0120-4337633, 4224644, 4224633, Fax: 0120-4337439

Works:

Unit-I

Plot No-12, Mahila Udyami Park-II, Greater Noida- 201306 (U.P.)

Unit-II

Plot No.-346-347, Ecotech -I (Extension), Greater Noida, 201310 (U.P.)

Registered Office:

A-29, Block 'A' Shyam Vihar, Phase-1, New Delhi - 110043

Manufacturing Facility

- We have manufacturing facilities for fabricating all types of steels such as carbon steel, stainless steel, alloy steel, utilizing various insulation material such as ceramic wool, rock wool etc,
- Welding and painting including work areas for fabrication of large structures and equipments.
- Our sustained production can be maintained by motivated work force.
- Our welders are qualified in various positions and different combination of material. We have qualified Technical personnel in various levels in NDT
- A detailed description of our facility is given below for ready reference.

Quality Assurance:

We are committed to provide excellence services for all projects using latest technology to ensure customer satisfaction through continual improvement in quality management system.

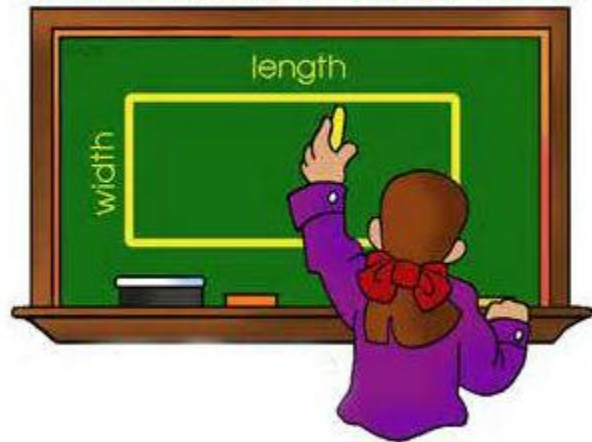
With over 2000 successful acoustical projects in Oil & Gas, Manufacturing and processing, Power Generation , Cement & Steel Plant, Automobile Sector, Construction and in many more, ESPL continues to grow in domestic & overseas marketplaces.

In order to innovate new design and cost-effectiveness, we have a well-grown R&D facility empowered with computer-aided tools. This department is manned by efficient personnel's, which ensures in the continual product development so as to offer complete satisfaction to our clients. Our research based activities ensure.

- Market Research
- Continual Product Development
- Improved product and production technologies

- **Approximate 55000 Sq. ft. Area comprise our work space**

AREA and PERIMETER



Our Work Space - Envirotech Systems Pvt.Ltd

Infrastructure – Unit-I





Infrastructure – Unit- II



List of Machinery

S.NO	DESCRIPTION	QUANTITY(NOS)
01	CNC Hydraulic Press Brake EHP 100 X 3100	01Nos
02	CNC Hydraulic Shearing Machine GS- 3106	01Nos.
03	Mechanical Shearing Machine 2500 X 8mm	01Nos
04	Hydraulic Press Brake HACO Make	01Nos.
05	Air Compressors-Ingersoll Rand	06Nos
06	MIG Welding Machine	30Nos.
07	Argon Welding Machine	04Nos
08	EOT (7.5 Ton)	01Nos.
09	Professional Line Laser	02Nos.
10	Gas Cutting Sets	04Nos.
11	DG Set	04Nos.
12	Drilling Machine	40Nos.
13	Grinding Machine	40Nos.
14	POP Rivetting Machine	35Nos.
15	ARC Welding Machine	08Nos.
16	Poweder Coating Oven	01Nos.
17	Weighing Machine	02 Nos.
18	Profile Cutting Machine	01Nos.
19	Chop Saw	06Nos.
20	Jig Saw Machine	06Nos.

Measuring and Testing Facility

S.NO	DESCRIPTION	QUANTITY
01	Vernier Calipers	10 sets
02	Micro Meter	07 sets
03	Sound Level Meter	08 nos
04	Fillet Gauges	06 nos
05	Measuring tape	30 nos
06	Dial Gauge	05 Nos
07	Anemometer	04 Nos
08	Vibration Meter	02 Nos
09	Light (LUX) Meter	02Nos.
10	Infrared Thermometer	02Nos.
11	Coating Thickness Gauge	02Nos.
12	Metal Hardness Tester	02Nos.
13	Magnetic Stand	02Nos.
14	Wood Moisture Meter	01Nos.

Noise Barriers

Envirotech Systems offers the complete range of certified, high performance noise barriers to solve the noise problems. standing barrier systems are sound absorptive/ reflective on one or both sides and offer excellent sound transmission loss characteristics and are easily assembled from prefabricated components.

Guaranteed, proven, sound reduction:

- Sound absorptive surfaces minimize reflected noise
- Rugged, abuse-resistant, long-lasting steel construction
- Weather resistant and almost maintenance free
- Wide choice of finishes to blend with individual landscapes

Suitable for an extensive range of applications including:

- Screening Mechanical Plant
- Roads & Railways
- Aircrafts Pens & Airport Boundaries
- Such as generators, Compressors and Chillers

Application:

- 1.Highways, Flyovers & Railway track
- 2.To cover Industrial Premises
- 3.Construction Sites
- 4.Stadium & Clubs
- 5.Residential / Farm House Premises

Types of Noise Barrier:

- Polycarbonate/Acrylic Sheet Noise Barrier **upto 36 STC Rating**
- Metallic Noise Barrier **upto 45 STC Rating**



In Technical Collaboration With **PALRAM ISRAEL LTD.** For Polycarbonate/ Acrylic Sheet Noise Barrier in Indian Market

The construction consisted of MS/Galvanized steel beam as horizontal and vertical posts specially designed aluminium pressure pad with rubber gas kit use to grip polycarbonate sheet tightly.

The standard Polycarbonate Noise Barriers designed to achieve **upto 36 STC rating** and the same has been confirmed during laboratory test.

We offer a full design, delivery and installation service, which can also include all necessary structural steelwork. Barriers can be erected by our own, trained personnel. Alternatively, they can be installed by others (contractors, end users etc), preferably under the supervision of an ESPL engineer.

All Polycarbonate sheets are UV coated and having warranty upto 10 years.



Envirotech Noise Barrier work at Repid Metro Gurgaon HR



Envirotech Polycarbonate Noise Barriers incorporated at Zuari Cement , Chennai for Plant Noise Control



Envirotech Noise Barrier work at Repid Metro,Gurgaon HR



Polycarbonate Noise Barrier work at Anand Group Farm House



Polycarbonate Noise Barriers incorporated in Dubai at ENOC by Envirotech

Envirotech Systems Pvt Ltd





Metallic Noise Barrier

Metallic noise barrier which comprise the great majority of noise barriers are generally located at the edge of the road to reflect traffic noise. Some noise is transmitted through the barrier, but is slightly less intense than the noise level on the other side of the barrier. The height of these barriers is usually greater than other types. Often traffic noise levels increase for vehicle occupant.

Technical Specification:

Metallic Part - Laboratory measurement of airborne sound as per IS-9901(Part III) -1981, DIN 52210 part IV - 1984, ISO: 140 (Part III) - 1995

Sound Profing - Class -A4

Sound Deadening - Class- B2

Type of Wall - Double skin insulated wall

Outside Sheet - Plain aluminium alloy sheet / GI sheet , 1.3 mm thick

Inside Sheet - (Traffic/ Source Side) skin- 1.2mm thick aluminium alloy/GI Perforated sheet with 42% open area with 5mm hole

Weight - Approx 12.5kg/sq.m

Acoustic Material - Polyester Fiber, in two layers of 50mm thick density 60kg/m3

Plain Joint - Each panel having tong & groove to joint perfectly with each other.

Gasket - The panel and structure having neoprene rubber gaskets at the joint to block noise leakage.

Vertical Post/ Structure -The structure is of 'I' profile in which acoustic panel slides longitudinally.

Top Cover - All acoustic panel covered at top with top cover made of aluminium alloy riveted to panel.

Powder Coating -All metallic surface/parts are powder coated, the minimum thickness is 60 Mu.

STC Rating -upto 45



Envirotech Systems Pvt Ltd

Roadside Metallic Noise Barrier

Test Report



राष्ट्रीय भौतिक प्रयोगशाला
(वैज्ञानिक एवं औद्योगिक अनुसंधान परिषद्)
NATIONAL PHYSICAL LABORATORY
(Council of Scientific and Industrial Research)



Dr. K. S. Krishnan Marg, New Delhi - 110 012, INDIA

Phone: 91 - 11 - 45608441, 8589, 8610, 9447

Fax: 91 - 11 - 45608448

E - mail: cfct@nplindia.org

Website: www.nplindia.org

TEST REPORT ON

SOUND TRANSMISSION LOSS

Date	Test Report No.	Page	No. of Pages
02-09-2011	11080668/D5.07a/T-031	1	2

1. Tested for : M/s Envirotech Systems Pvt. Ltd.
B-1A/19, 1st Floor, Commercial Complex
Sector-51, Noida - 201 307.
Customer's Reference : Letter No. ESPL/11023
dated 24.08.2011.
2. Description and Identification of items : **100 mm thick Metallic Acoustic Panel of MS Sheet laminated on either side and cavity filled with Envirotech Acoustic Material (Sample size 93 cm x 63 cm)**
3. Environmental Conditions : Room Temperature : 26.0 °C
Relative Humidity : 72.0 %
4. Standard Used and Associated Uncertainty : Working Standard Microphone;
± 0.5 dB
5. Traceability of Standards Used : The standards used for testing are traceable to National Standards
6. Principle/ Methodology of test & Test Procedure No. : **IS : 9901 (Part III) -1981, DIN 52210 Part IV- 1984, ISO : 140 (Part III) - 1995,**
"Measurement of Sound Insulation in Building and of Building Elements"
Part III : Laboratory Measurements of Airborne Sound Insulation of Building Elements
Sub-Div.#5.07/A/Doc.3/TP# 15

7. Results :

As requested by the party the acoustical material was tested for its airborne sound insulation by using two reverberation chambers under existing environmental conditions. The sample was fixed in the common opening between the two chambers. The volume of the source room was 257 m³ and that of the receiver room was 271 m³. Adequate diffusion existed in both the chambers.

Tested by:

Naveen Garg
(Mr. Naveen Garg)

Checked by:

(Signature)
(Dr. Mahavir Singh)

Scientist-in-charge:

(Signature)
(Mr. Omkar Sharma)

Issued by:

(Signature)
(G.P. Dixit)

Envirotech Systems Pvt Ltd



राष्ट्रीय भौतिक प्रयोगशाला

(वैज्ञानिक एवं औद्योगिक अनुसंधान परिषद्)

NATIONAL PHYSICAL LABORATORY

(Council of Scientific and Industrial Research)

Dr. K. S. Krishnan Marg, New Delhi - 110 012, INDIA

Phone: 91 - 11 - 45608441, 8589, 8610, 9447

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E - mail: cfct@nplindia.org

Website: www.nplindia.org



TEST REPORT ON

SOUND TRANSMISSION LOSS

Date	Test Report No.	Page	No. of Pages
02-09-2011	11080668/D5.07a/T-031	2	2

Using filtered noise in one-third octave band the air- borne sound insulation index was evaluated by measuring the average sound pressure levels generated in the source room and the receiver room and by measuring the equivalent absorption in the receiver room. The results are given below :

One-third Octave Band Centre Frequency Hz	Airborne Sound Insulation Index dB
100	23
125	20
160	29
200	29
250	33
315	36
400	41
500	43
630	46
800	48
1000	50
1250	51
1600	50
2000	48
2500	49
3150	51
4000	53

Using the standard reference curve the **sound transmission class , STC**, was found to be **44**. The evaluated uncertainty in measurement is ± 1.0 dB which is at a coverage factor **k=2** which corresponds to a coverage probability of approximately **95%** for a normal distribution.

8. Date of Testing : 29-08-2011
9. Remarks : Nil

Tested by: *Naveen Garg*
(Mr. Naveen Garg)

Checked by: *[Signature]*
(Dr. Mahavir Singh)

Scientist-in-charge: *[Signature]*
(Mr. Omkar Sharma)

Issued by: *[Signature]*
Director's Nominee
(G.P. Dixit)



Some of Our Prestigious Clients

- ✓ GAIL India Ltd
- ✓ IIT Kanpur
- ✓ M/s General Motors
- ✓ Lupin Ltd
- ✓ M/s GRAZIANO Trasmissioni India Ltd
- ✓ M/s Asia Motor Works Ltd
- ✓ M/s Denso India Ltd
- ✓ M/s Subros Auto Air- Conditioning Ltd
- ✓ M/s United Telecoms Ltd
- ✓ M/s Bharti Infratel Ltd (Airtel)
- ✓ M/s Essar Oil Limited
- ✓ M/s Emirates Petroleum Products Company
- ✓ M/s Indian Steel Corporation Ltd
- ✓ M/s Hilti India Pvt Ltd
- ✓ M/s Varroc Engineering Pvt Ltd
- ✓ M/s SRF Limited Unit II
- ✓ M/s Alkop Menon Ltd
- ✓ M/s Bosch Limited
- ✓ M/s Crompton Greaves Limited
- ✓ M/s DELPHI-TVS Diesel Systems Limited
- ✓ M/s Sai Surface Coating Technologies
- ✓ M/s India Herbs Research & Supply Co. Ltd
- ✓ M/s Mando India Steering Systems Pvt Ltd
- ✓ M/s Vestas Technology R & D Chennai Pvt Ltd
- ✓ M/s ACC Cement Ltd
- ✓ M/s Everady Ltd
- ✓ M/s OIL India Limited
- ✓ M/s Hindustan Aeronautics Limited
- ✓ M/s VINAI Engineering Industry Co. Ltd
- ✓ M/s VINAI ENGINEERING INDUSTRY CO. LTD
- ✓ M/s Tractors And Farm Equipments Ltd (TAFE)
- ✓ M/s Ingersoll Rand Ltd.
- ✓ M/s Flowserve India Controls Pvt Ltd
- ✓ M/s SICGIL India Limited
- ✓ M/s Bhabha Atomic Research Centre
- ✓ M/s Barco Electronic Systems Pvt. Ltd.
- ✓ M/s Amtek India Ltd.
- ✓ M/s Casa Severina
- ✓ M/s Global Coal & Mining Pvt. Ltd.
- ✓ M/s Maeda Corporation (India)
- ✓ M/s Oriental Carbon & Chemicals Ltd.
- ✓ M/s Isgec Heavy Engg. Ltd.
- ✓ M/s Topcem India Ltd.
- ✓ M/s SI Group-India Limited
- ✓ M/s Procter & Gamble Ltd.
- ✓ M/s Zuari Cement Ltd.
- ✓ M/s All India Institute of Speech & Hearing

- ✓ M/s Tractors And Farm Equipments Ltd (TAFE)
- ✓ M/s ISRO
- ✓ M/s Siemens Limited
- ✓ M/s Larsen & Turbo Limited (L & T)
- ✓ M/s Saint Gobain Glass India Ltd.
- ✓ M/s Reliance Industries Ltd.
- ✓ M/s Jamna Auto India Ltd
- ✓ M/s Colgate - Palmolive Ltd
- ✓ M/s Maruti Suzuki India Ltd
- ✓ M/s Honda Siel Power Products Ltd
- ✓ M/s ABB Limited
- ✓ M/s Alstom Projects Pvt Ltd
- ✓ M/s LG Electronics India Ltd
- ✓ M/s Hindustan Unilever Limited
- ✓ M/s Bharat Rasayan Limited
- ✓ M/s Aksh Optic Fiber Limited
- ✓ M/s Dharampal Premchand Ltd
- ✓ M/s Indian Metals & Ferro Alloys Ltd
- ✓ M/s Atlas Steel Tubes Ltd.
- ✓ M/s Motherson Sumi Systems Ltd
- ✓ M/s JP Associates Ltd
- ✓ M/s Osram Ltd, Seimens Group
- ✓ M/s Sterlite Industries (I) Ltd
- ✓ M/s Supreme Industries Ltd
- ✓ M/s Shree Cement Ltd
- ✓ M/s Nippon Ltd
- ✓ M/s Jagat Agro Ltd
- ✓ M/s Paradsie Plastics Entp. Ltd
- ✓ M/s Parabolic Drugs Limited
- ✓ M/s Gurunanak Auto Enterprises Ltd
- ✓ M/s Supper Cassates Industries Ltd
- ✓ M/s Larsen & Toubro Limited
- ✓ M/s Amtek Auto Ltd
- ✓ M/s Fiamm Minda Automotive Ltd
- ✓ M/s Asian Paints Ltd
- ✓ M/s Envin Foods & Industries Pvt. Ltd.
- ✓ M/s Tube Investments of India Ltd.
- ✓ M/s Behr India Ltd.
- ✓ M/s Semco Electric Pvt. Ltd.
- ✓ M/s Adventech Polymers Private Ltd.
- ✓ M/s Indraprastha Medical Corporation Limited
- ✓ M/s Gates India Private Ltd.
- ✓ M/s Sovereign Tech Engg. Services Pvt. Ltd.,
- ✓ M/s Global Marketing
- ✓ M/s Amber Enterprises (India) Pvt. Ltd.
- ✓ M/s Compamedic Instruments Pvt. Ltd.
- ✓ M/s Sharda Motors Ltd.

M. K. Gupta

Envirotech Systems Pvt. Ltd.

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Thank You!